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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/866,511
				Filing Date	May 24, 2001
				First Named Inventor	PIERCE, Niles
				Group Art Unit	3658 / 631
Examiner Name					
Sheet	1	of	1	Attorney Docket Number	A-70365-1/RFT/RMS/RMK (468488-153)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	U.S. Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1				
	A2				
	A3				
	A4				
	A5				
	A6				
	A7				
	A8				
	A9				
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code ² Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
AM	B1	WO 01/16862 A2	03-08-2001	California Institute of Technology		
	B2					
	B3					
	B4					
	B5					
	B6					

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
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AM	C1	GORDON, DB and MAYO, SL, "Branch-and-Terminate: a combinatorial optimization algorithm for protein design," Structure 7(9):1089-1097 (1999)				
	C2	LEACH, AR and LEMON, AP, "Exploring the Conformational Space of Protein Side Chains Using Dead-End Elimination and the A* Algorithm," Proteins: Structure Function and Genetics 33:227-239 (1998)				
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	C4	WERNISCH, L et al., "Automatic Protein Design with All Atom Force-fields by Exact and Heuristic Optimization," J. Mol. Biol. 301:713-736 (2000)				
	C5					

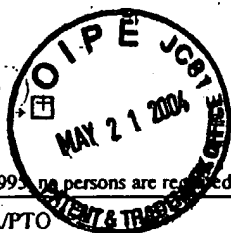
Examiner Signature	<i>Andin Marzelen</i>	Date Considered	8-8-04
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		Application Number	09/866,511		
		Filing Date	May 24, 2001		
		First Named Inventor	Pierce		
		Group Art Unit	2653 1631		
		Examiner Name	Unknown		
Sheet	1	of	5	Attorney Docket Number	A-70365-1/RFT/RMS/RMK

U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
AM ↓	A1	4,939,666		Hardman, K.D.	07-1990	
	A2	5,241,470		Lee, C. and S. Subbiah	08-1993	
	A3	5,527,681		Holmes, C.P.	06-1996	
	A4	6,188,965		Mayo et al.	02-2001	
	A5	6,269,312		Mayo et al.	07-2001	
	A6	6,403,312		Dahiyat et al.	06-2002	

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		Office ³ Number ⁴	Kind Code ² (if known)					
AM ↓	B1	WO 95/22625	A1			08-1995		
	B2	WO 98/32845	A1			07-1998		
	B3	WO 98/47089	A1			10-1998		
	B4	WO 00/23564	A2			04-2000		
	B5	WO 00/68396	A3			11-2000		
	B6	WO 01/59066	A3			08-2001		

Examiner Signature	<i>Arden Marsdel</i>	Date Considered	8-8-04
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		Application Number	09/866,511		
		Filing Date	May 24, 2001		
		First Named Inventor	Pierce		
		Group Art Unit	4886 1631		
		Examiner Name	Unknown		
Sheet	2	of	5	Attorney Docket Number	A-70365-1/RFT/RMS/RMK

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AM	C1	Betz S.F., et al., "Controlling topology and native-like behavior of de novo-designed peptides: design and characterization of antiparallel four-stranded coiled coils," <i>Biochemistry</i> 1996 May 28;35(21):6955-62.	
	C2	Borman, "Proteins to Order", Chemical and Engineering Newsletter (C&EN) Oct. 6, 1997, 9-10 (1997).	
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	C5	Brenner et al., "A Quantitative methodology for the de novo design of proteins", <i>Protein Sci.</i> 3:1871-1882 (Oct. 1994)	
	C6	Brooks et al., "CHARMM: A Program for Macromolecular Energy, Minimization, and Dynamics Calculations," <i>J. of Computational Chemistry</i> , 4(2):187-217 (1983).	
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	C9	Dahiyat, B.I., et al., "Automated design of the surface positions of protein helices", <i>Protein Science</i> 6:1333-1337 (June 1997)	
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	C11	Dahiyat, B.I., et al., "Protein Design Automation," Meeting Abstract; <i>Protein Science</i> vol. 4, Suppl. 2, 83 (1995)	
	C12	Dahiyat, B.I., et al., "Protein Design Automation," Poster Sessions, <i>Protein Science</i> vol.5, Suppl. 1, 2223 (1996)	
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	C15	Dahiyat, B.I., et al., "Protein Design Automation," 1996, <i>Protein Science</i> vol. 5, pp.895-903, Nov. 30, 1999	
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Examiner Signature	<i>Arden Marschel</i>	Date Considered	8-8-04
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Application Number	09/866,511
Filing Date	May 24, 2001
First Named Inventor	Pierce
Group Art Unit	4638 1631
Examiner Name	Unknown
Attorney Docket Number	A-70365-1/RFT/RMS/RMK

Sheet 3 of 5

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
AM	C19	DeGrado et al. "Protein design, a minimalist approach" Science 1989 Feb 3;243(4891):622-8.	
	C20	Desjarlais, J.R., et al., "De novo design of the hydrophobic cores of proteins", Protein Science 4:2006-2018 (1995)	
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	C30	Gordon et al., "Radical performance enhancements for combinatorial optimization algorithm based on the dead-end elimination theorem", Journal of Computational Chemistry, 19:1505-1514 (1998)	
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	C32	Harbury et al., "Repacking protein cores with backbone freedom: Structure prediction for coiled coils," Proc. Natl. Acad. Sci. USA, 92:8408-8412 (1995)	
	C33	Harbury et al., "High-Resolution Protein Design with Backbone Freedom," Science, 282:1462-1467 (1998)	
	C34	Hecht et al. "De novo design, expression, and characterization of Felix: a four-helix bundle protein of native-like sequence" Science 1990 Aug 24;249(4971):884-91.	
	C35	Hellings, H.W., et al., "Construction of New Ligand Binding Site in Proteins of Known Structure", J. Mol. Biol. 222:763-785 (1991)	
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	C38	Holmes, "First-ever designer protein fits like a glove," New Scientist, IPC Magazines Limited, Oct. 11, 1997	
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Examiner Signature	<i>Adrian Marcel</i>	Date Considered	8-8-04
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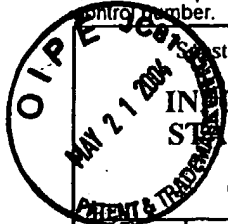
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	C49	Lazar et al., "De novo design of the hydrophobic core of ubiquitin," Protein Science 6:1167-1178 (1997)	
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Examiner Signature	<i>Adam Marshall</i>	Date Considered	8-8-04
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